



Pipeline List				Pipeline List				Pipeline List				Pipeline List			
Displayed Text	Description	Design Pressure	Design Temperature	Displayed Text	Description	Design Pressure	Design Temperature	Displayed Text	Description	Design Pressure	Design Temperature	Displayed Text	Description	Design Pressure	Design Temperature
P-1	Inlet Syngas	300	500	P-6	Syngas into reactor	1190	482	P-14	Gas after turboexp. into HX3	648.3	424.1	P-30	Bottoms stream distillation column 1		
P-2	Cold water inlet from p-11	20	80	P-7	Makeup water for reactor cooling	P-16		P-15	Hot gas into air cooler			P-31	Vapor after reboiler Dist. Column 1		
P-3	Cold water outlet from p-2	20	169.8	P-8	Steam from reactor to distillation reboiler			P-17	Cold inlet to HX3	20	70	P-33	Pressure relief		
P-11	Fresh Cold water	20	80	P-9	BFW for water	420.61	428	P-18	Outlet of HX3 Cold in HX4	20	103	P-34	Distillate column 1 to condensor		
P-4	Cool syngas in to comp.			P-10	Steam from reactor	448.16	420.16	P-19	Into pump for HX3	20	70	P-45, 47	Reflux dist. column 1		
P-24	Fresh + recycle syngas to comp.	300	458	P-12	Product from reactor into turboexpander			P-20	Liquid product into separations train	638	118.13	P-49	Final distillate from column	31	126.8
P-23	Recycle after purge	638	118.13	P-16	Makeup water for reactor cooling			P-25	Cool gas after air cooler	638	350	P-51	Bottoms crude MeOH and liquids	32.68	191.2
P-5	compressed syngas	1200	716.6	P-71	Heated BFW			P-26	Cool syngas after HX4	638	118.13	P-59,58,70	Bottoms from Column 2 heavy liquids		
P-13	Cold out HX2 source: P-11			P-22	Purge into thermal oxidizer	638	118.13	P-27	Cold outlet from HX4	20	228	P-63,64	Distillate to condensor		